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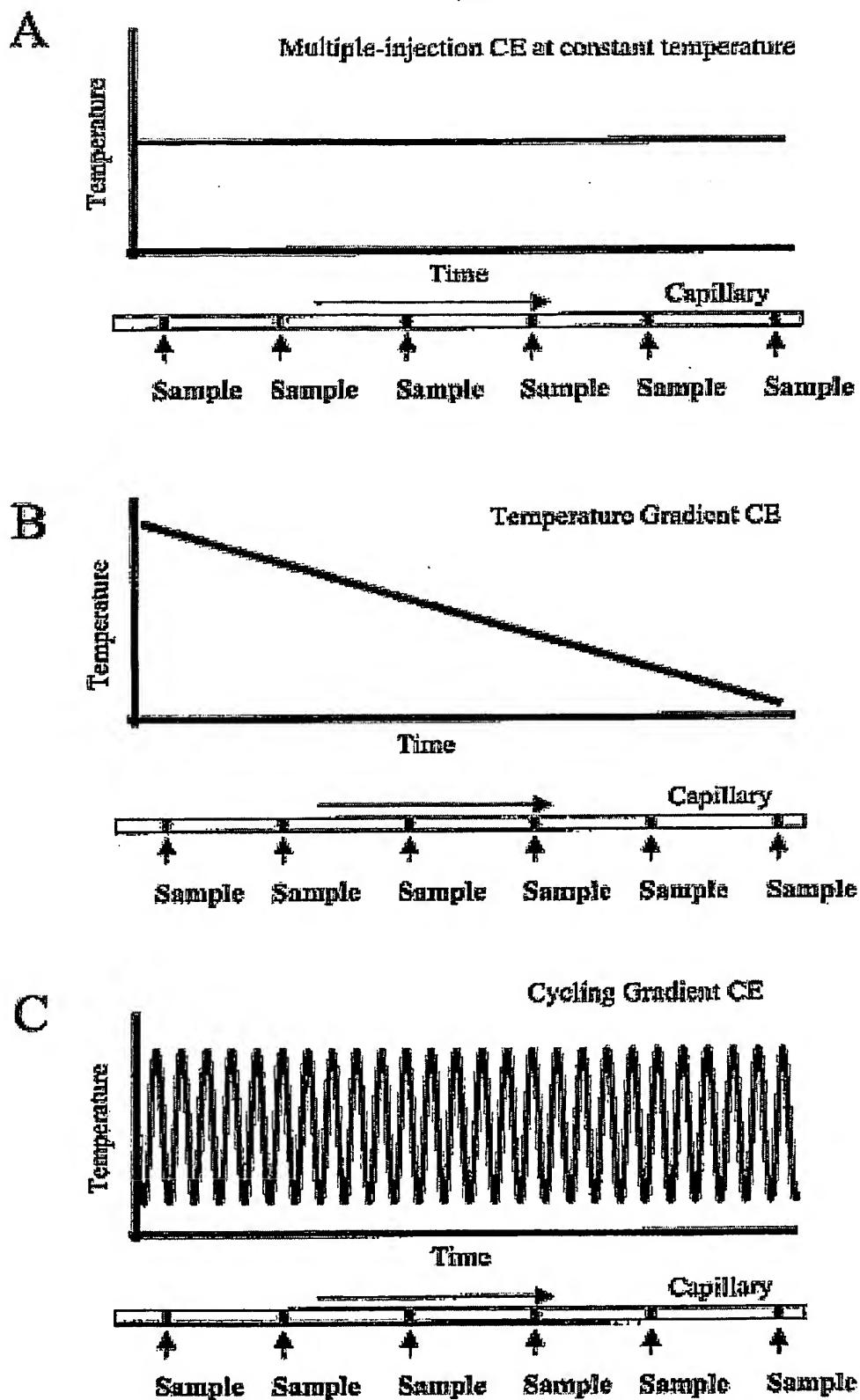
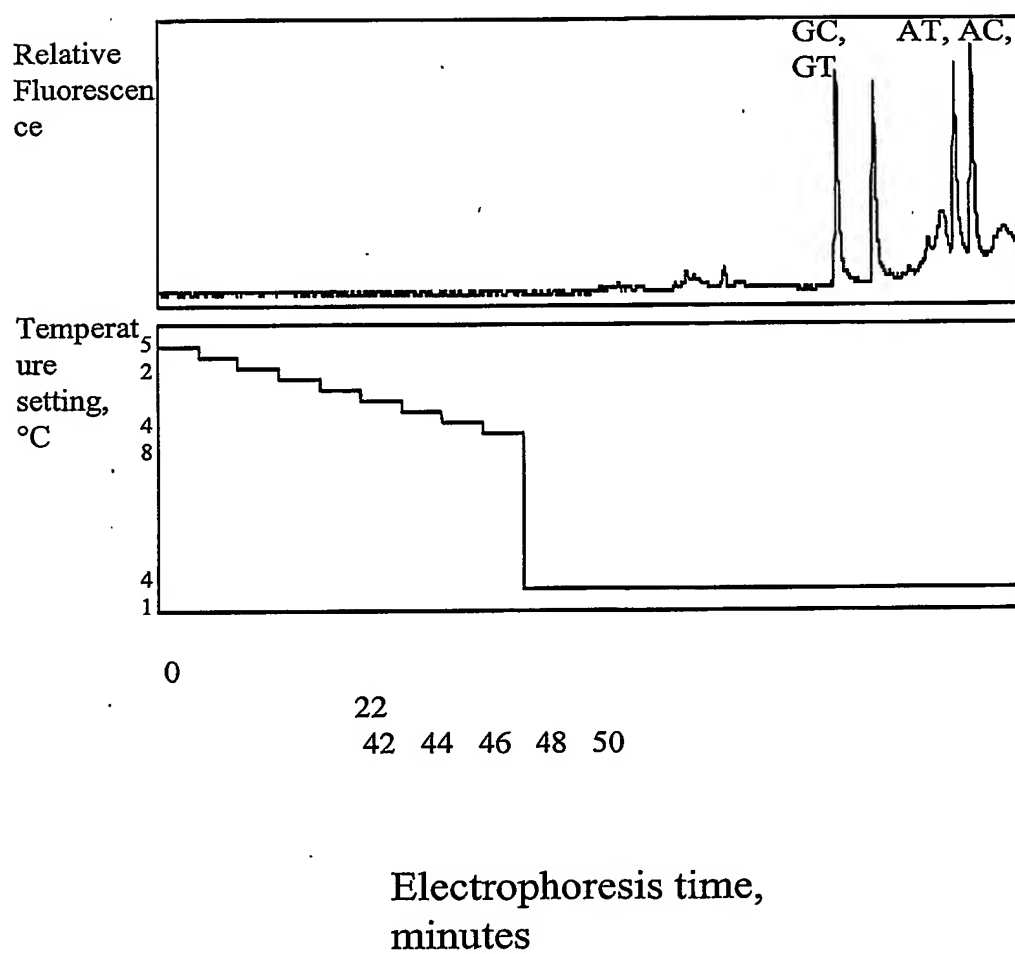


FIG. 1

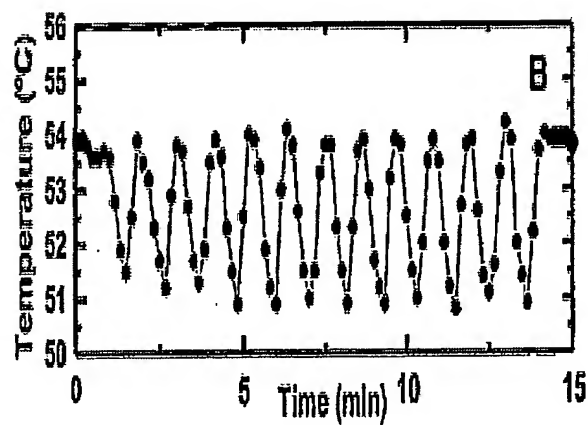
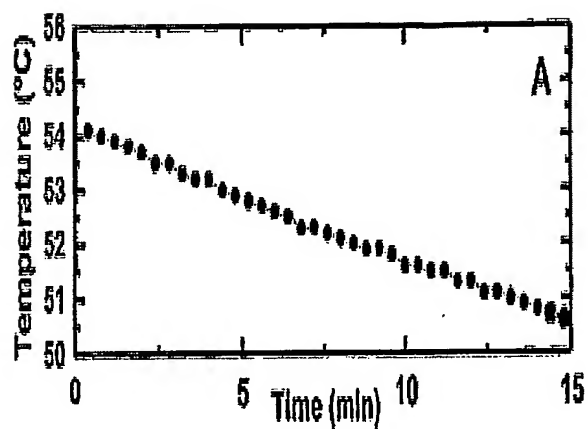
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FIG. 2



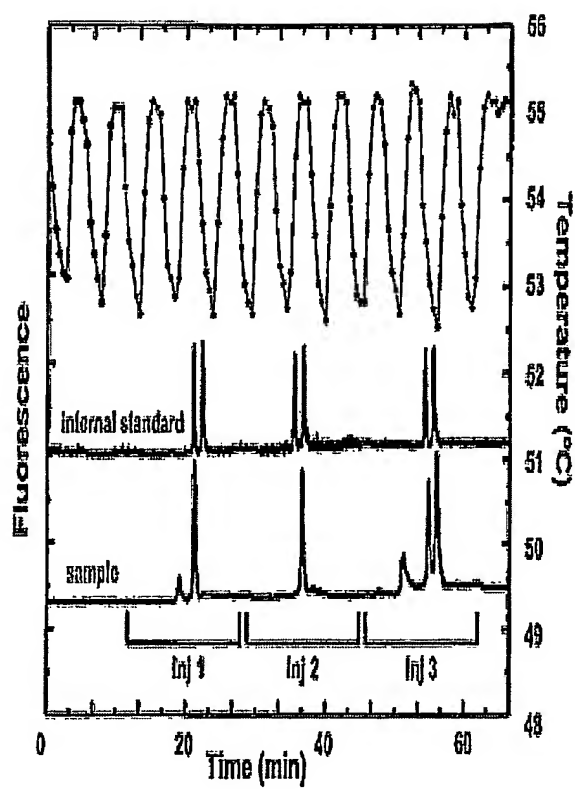
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FIG. 3



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FIG. 4



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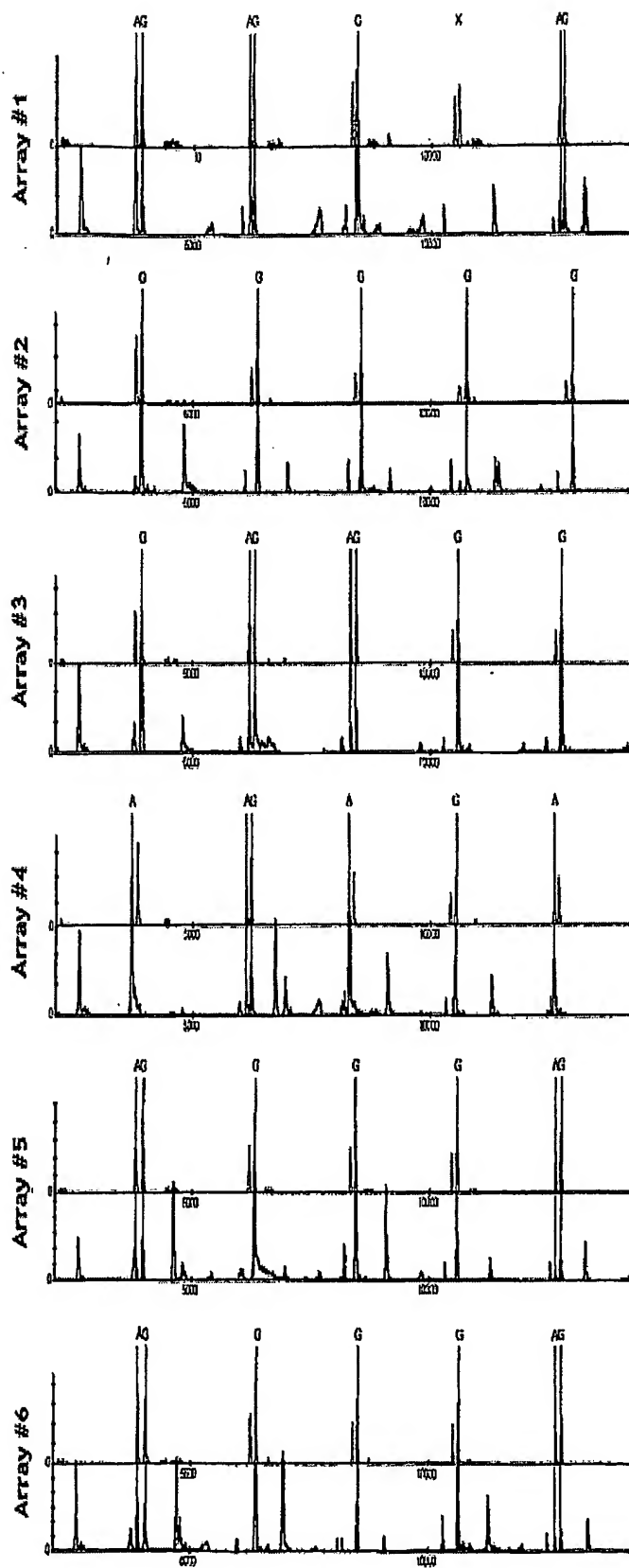
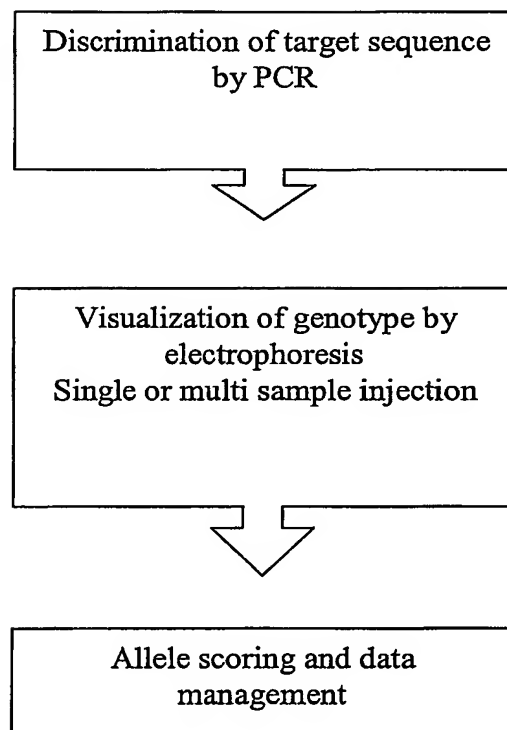


FIG. 5

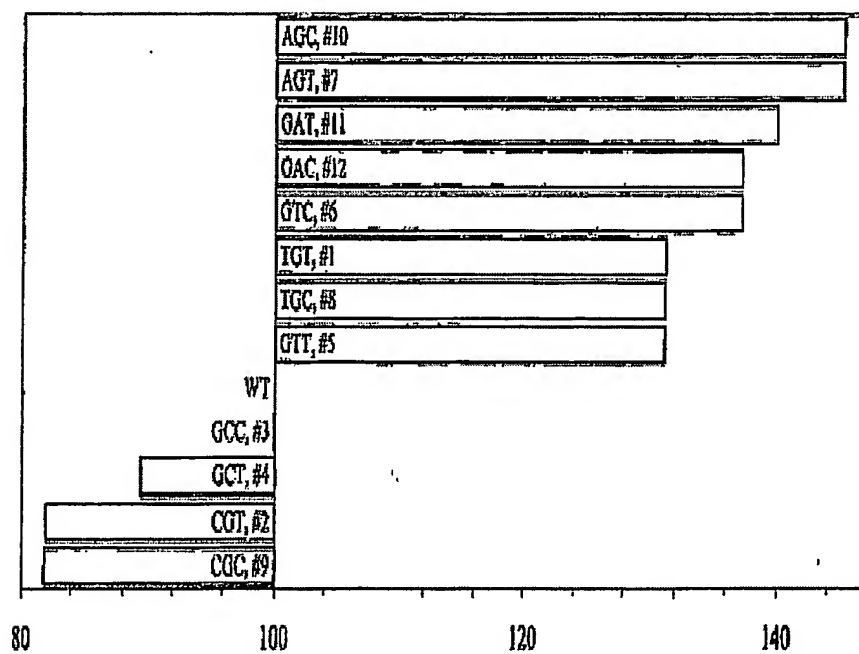
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FIG. 6



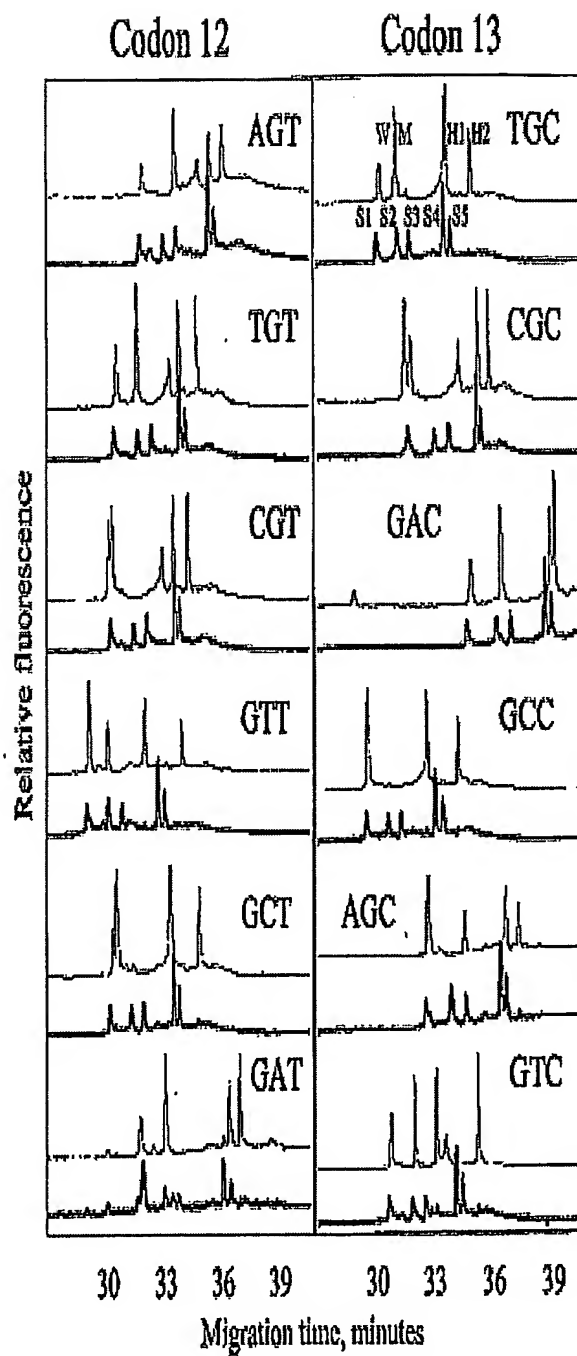
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FIG. 7



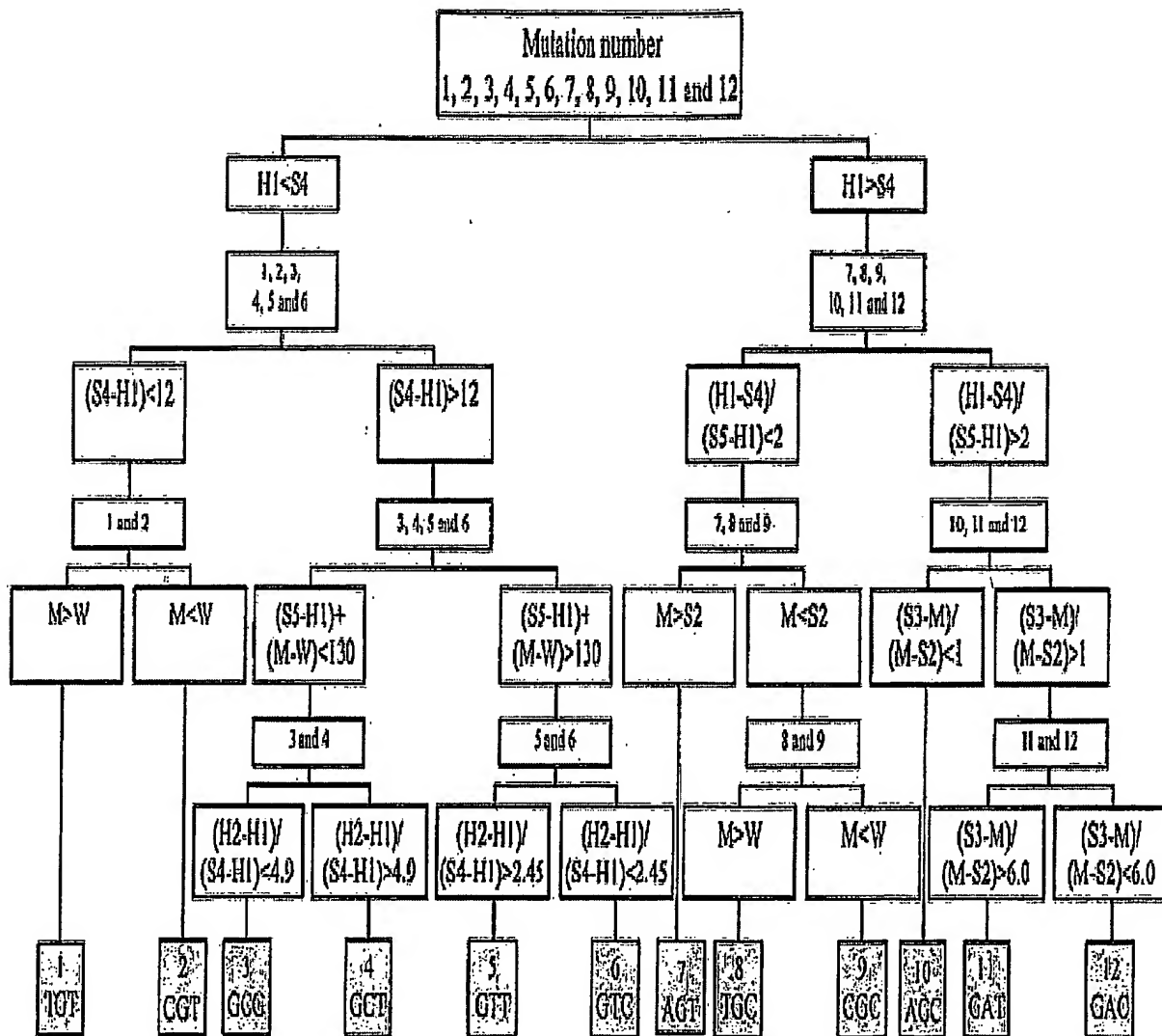
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FIG. 8



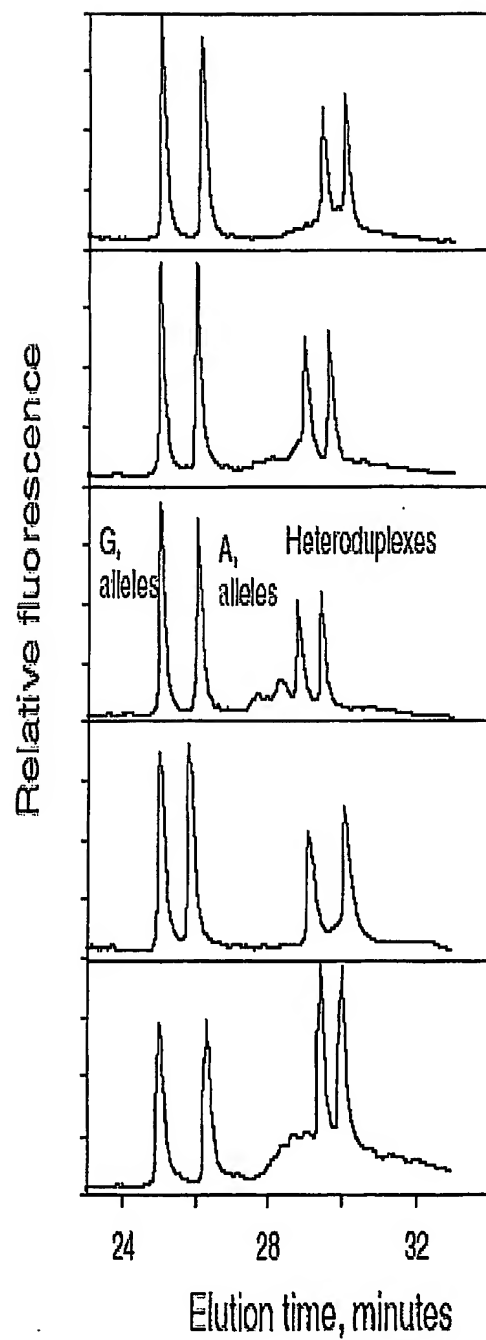
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FIG. 9



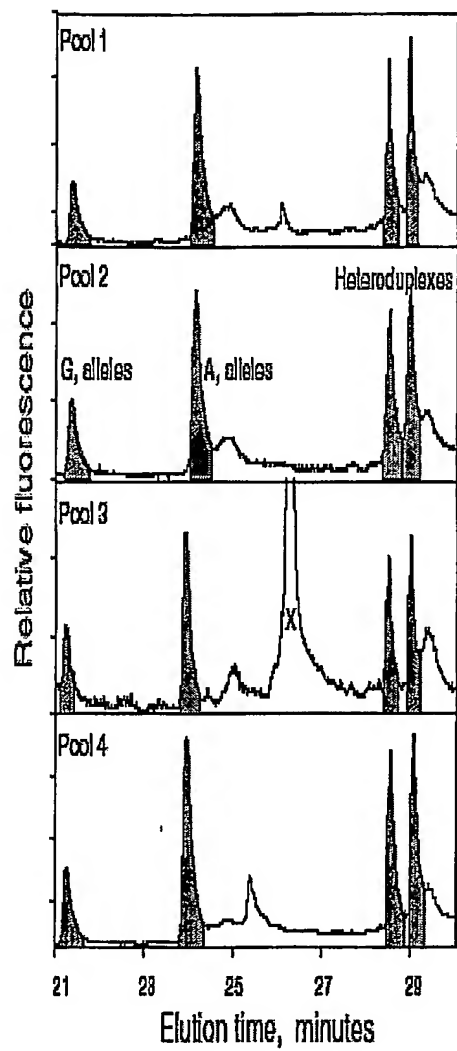
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FIG. 10



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FIG. 11



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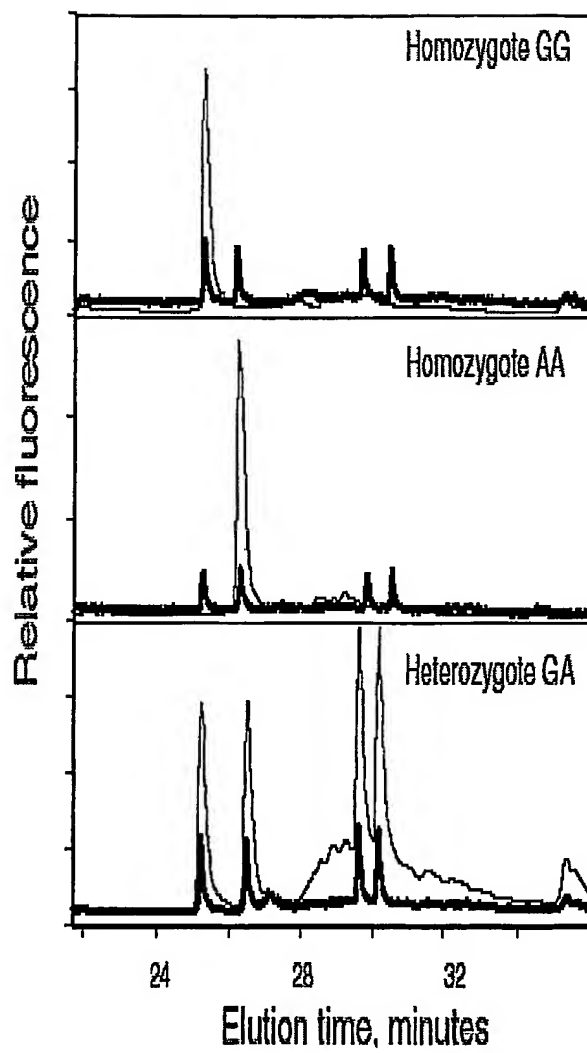
FIG. 12

<i>Gene</i>	<i>Alleles</i>		<i>Genotypes</i>		
	<i>Major</i>	<i>Minor</i>	<i>Homozygote</i>	<i>Heterozygote</i>	<i>Homozygote</i>
<i>TNFB</i> (<i>A_{major}</i> , <i>G_{minor}</i>)					
Pooled	63.1	36.9	39.8	46.6	13.6
	(0.6)	(0.6)	(1.3)	(0.5)	(0.8)
Single samples	63.7	36.3	41.6	44.2	14.2
<i>IL-4</i> (<i>C_{major}</i> , <i>T_{minor}</i>)					
Pooled	84.0	15.4	71.7	26.0	2.4
	(0.4)	(0.4)	(1.5)	(1.2)	(0.3)
Single samples	84.8	15.2	72.1	25.3	2.5
<i>CTLA-4</i> (<i>A_{major}</i> , <i>G_{minor}</i>)					
Pooled	55.1	44.9	30.2	48.5	20.3
	(1.8)	(1.2)	(1.2)	(1.0)	
Single samples	55.7	44.3	29.5	52.3	18.1

All values are given as a percentage. The variation in allele frequencies between the pools is given with 1 standard deviation. Genotypes for the pooled and single samples are estimated and observed, respectively.

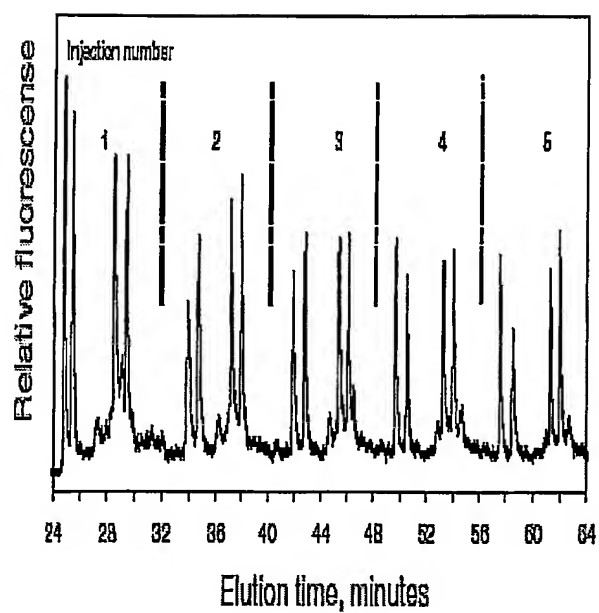
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FIG. 13



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FIG. 14



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FIG. 15

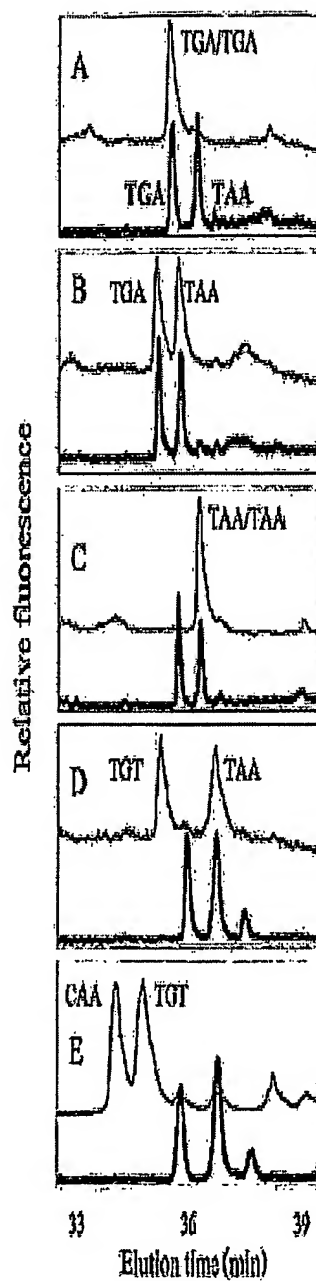
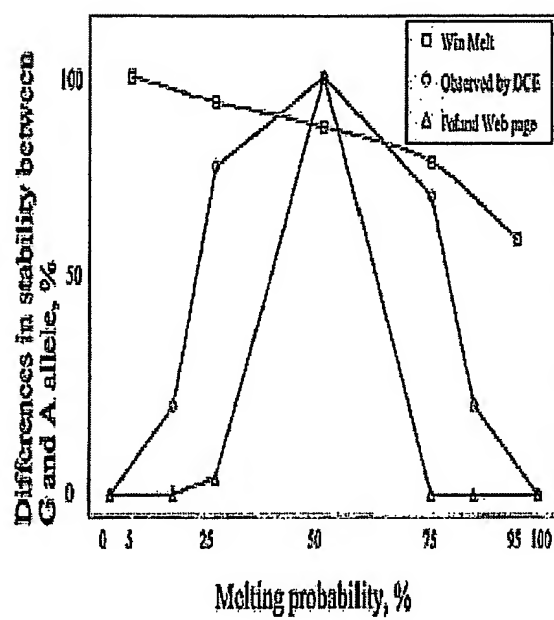


FIG. 17

TVSSS (TPO)	TF	TC	CC	T	C
Normal	5531	144	1	97.9	2.1
Rectal cancer	142	9	0	97.0	3.0
SSST (G/A)	04	0/A	A/A	G	A
Normal	3443	308	105	92.7	7.3
Rectal cancer	33	10	2	92.1	7.9
SSSS (A/T)	A/A	A/T	T/T	A	T
Normal	5516	10	0	99.0	1.0
Rectal cancer	151	0	0	100.0	0.0

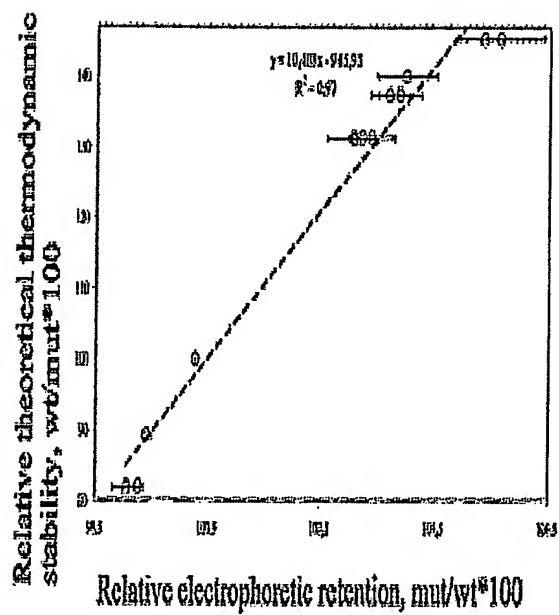
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FIG. 18



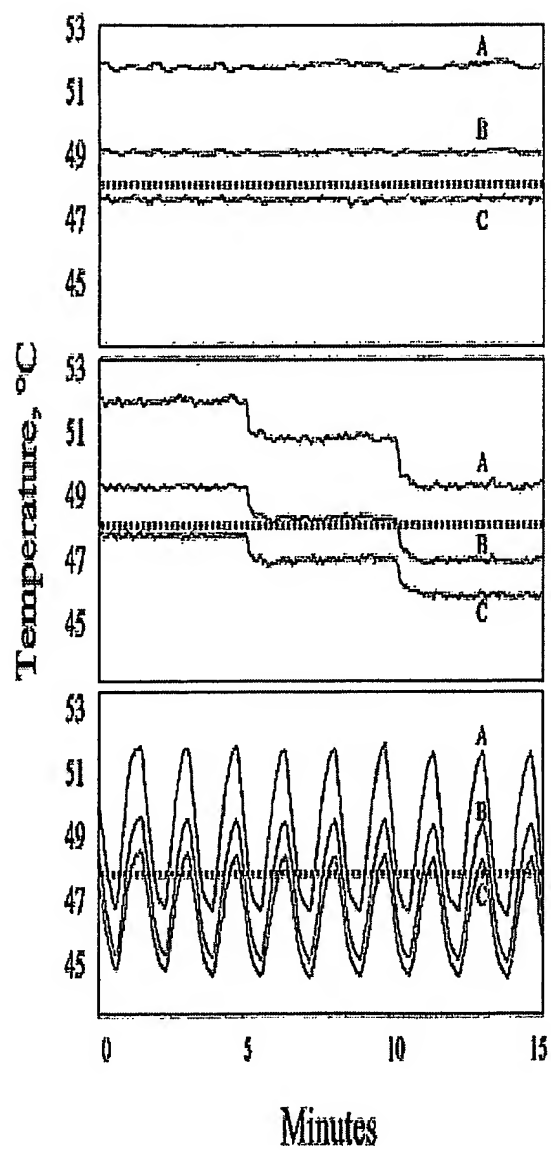
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FIG. 19



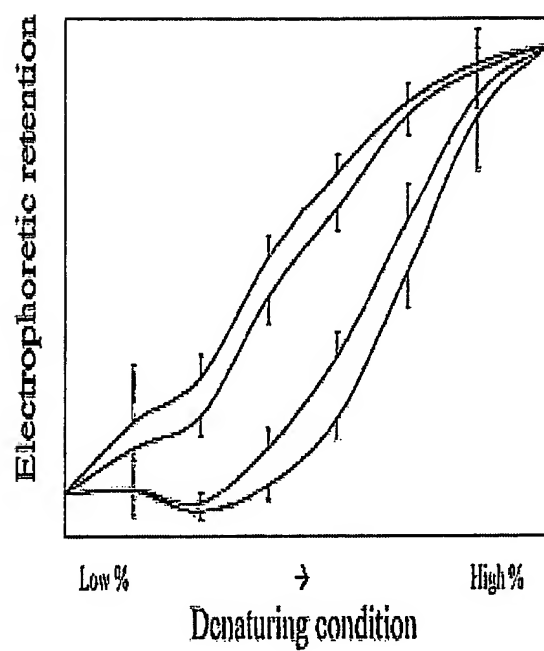
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FIG. 20



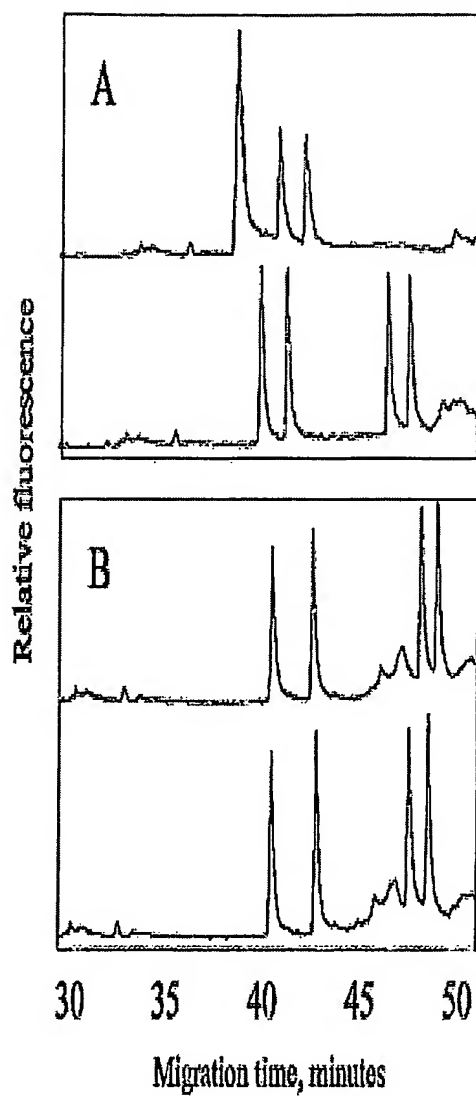
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FIG. 21



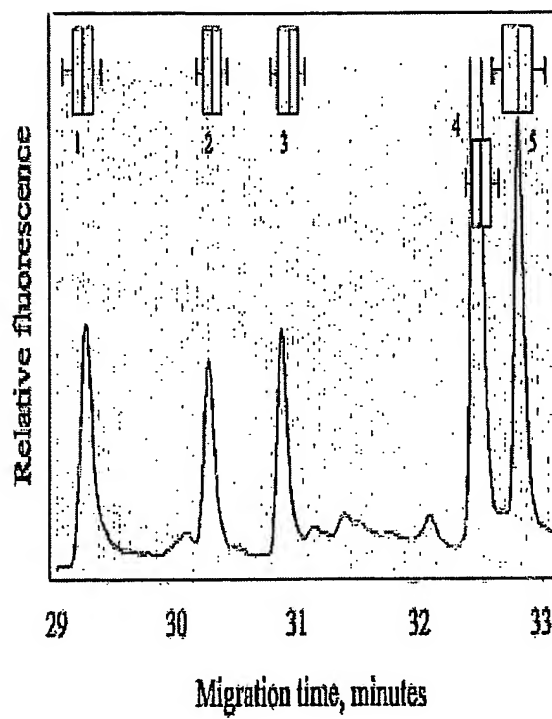
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FIG. 22



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FIG. 23



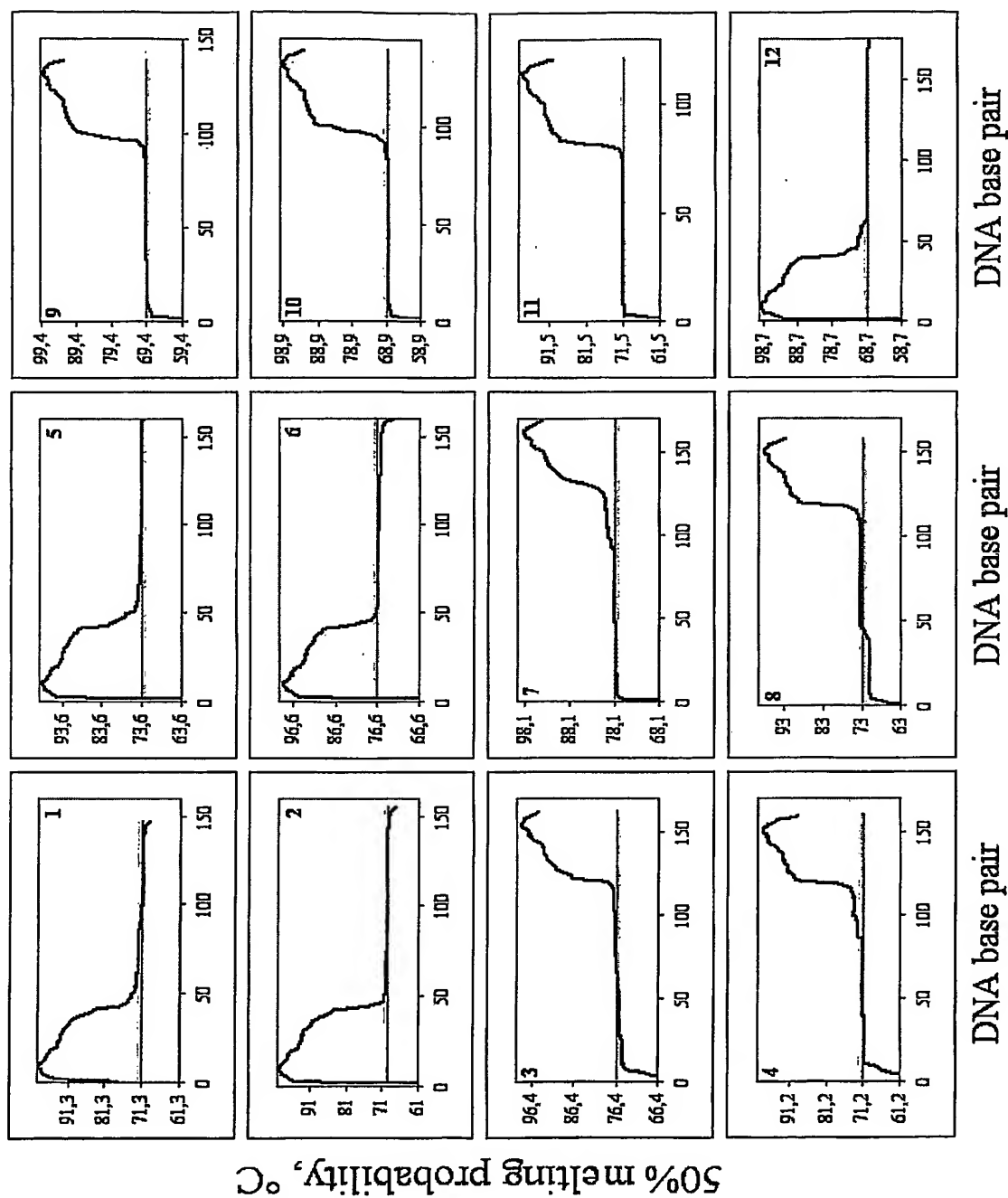
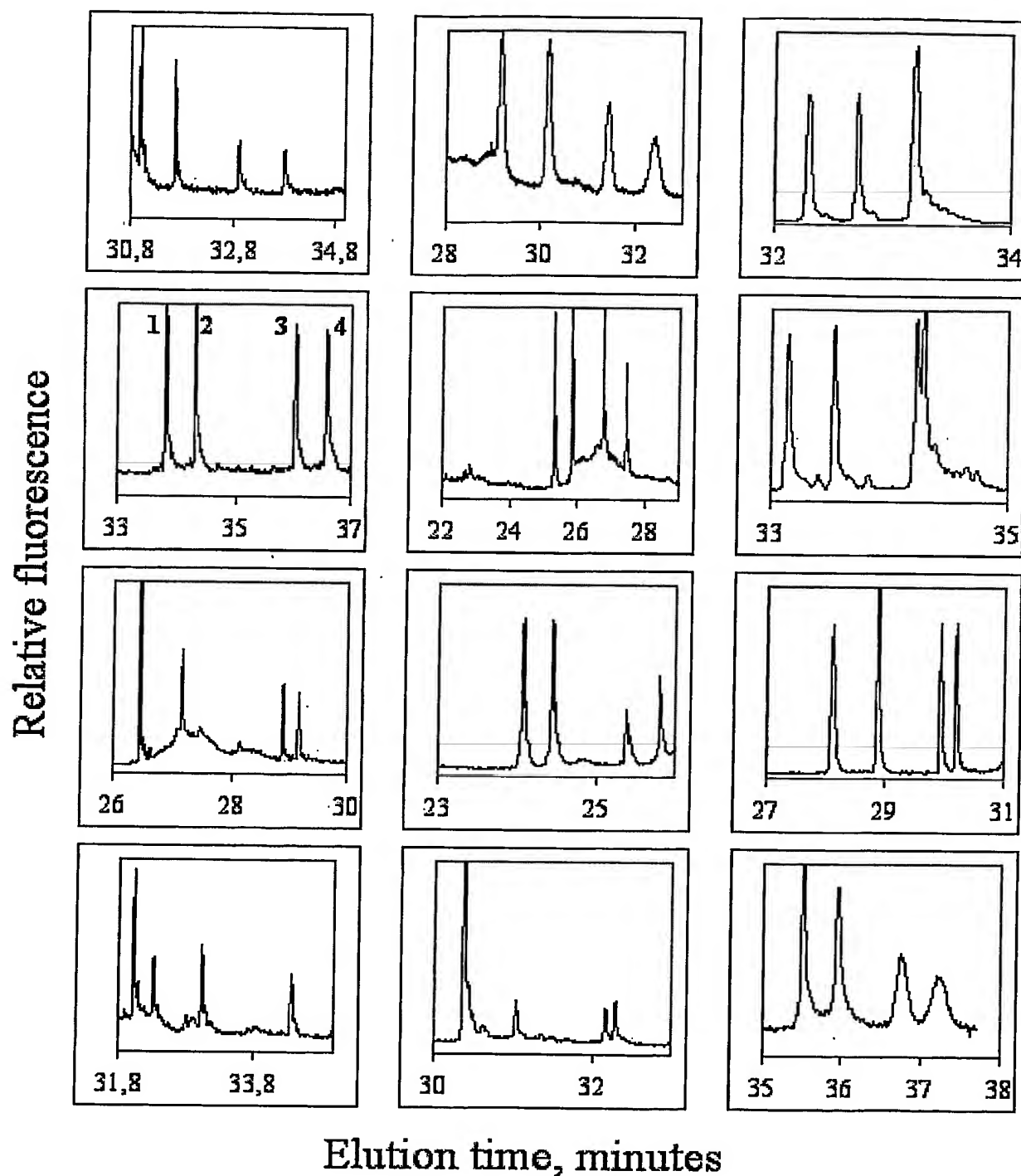


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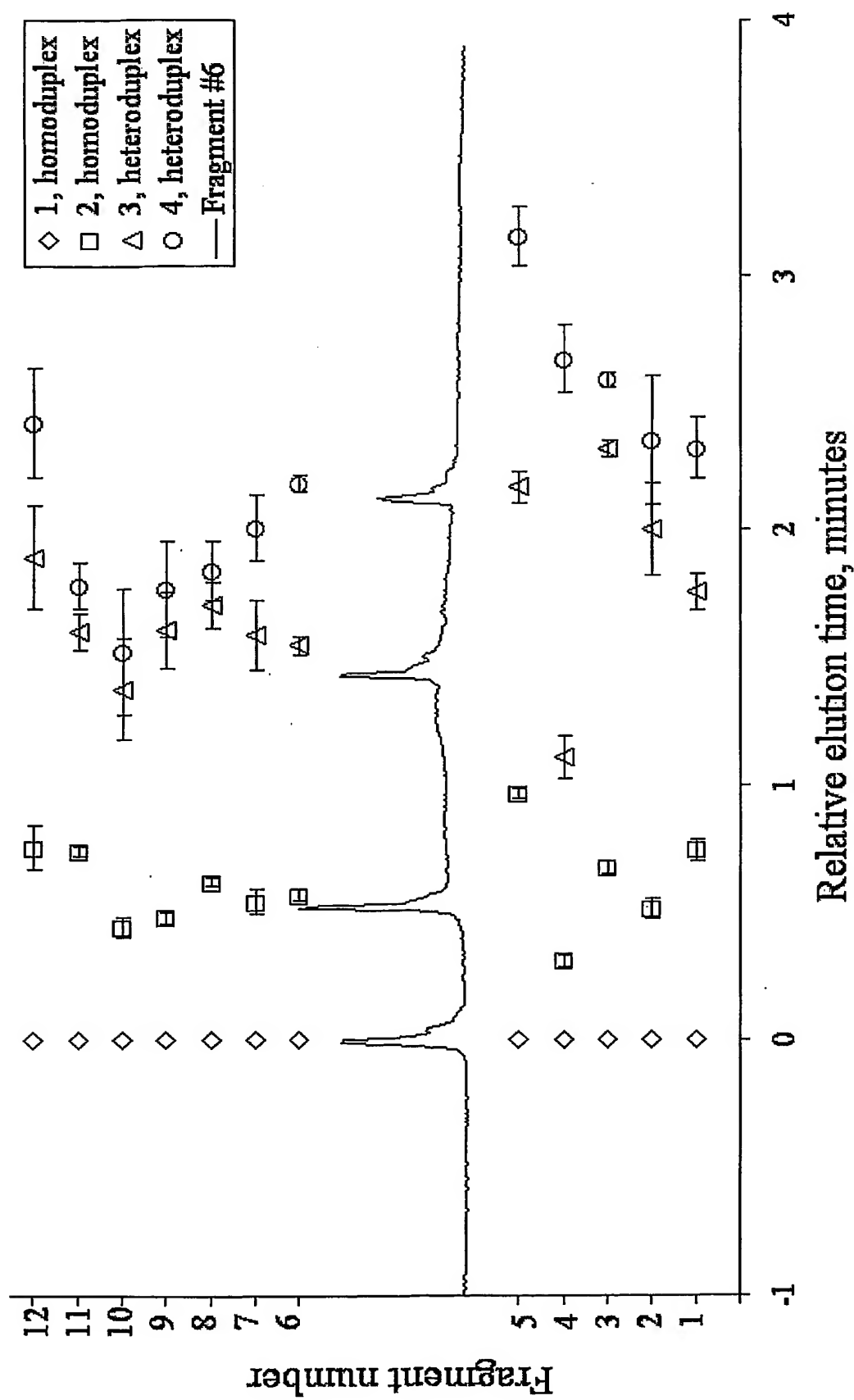
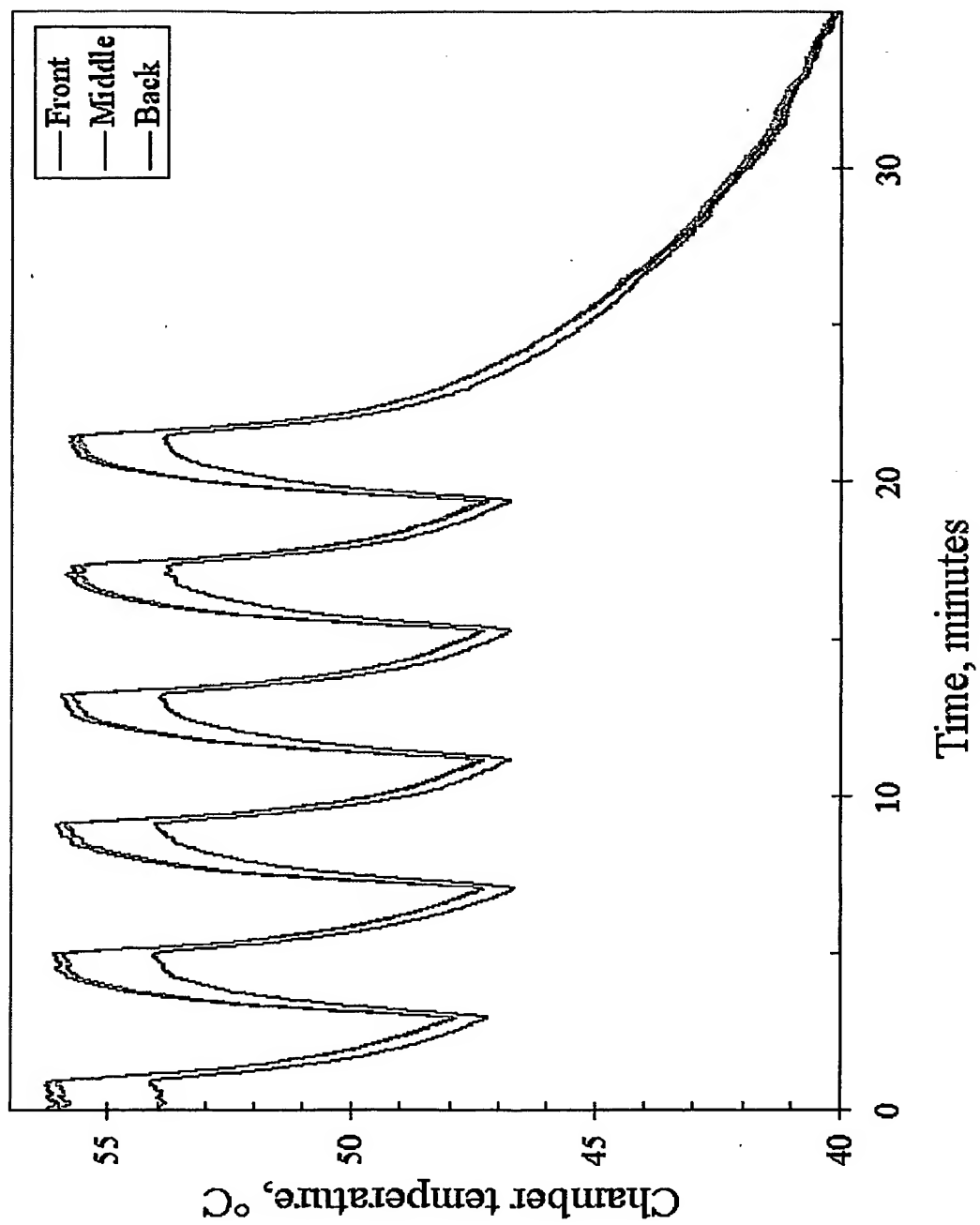


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FIG. 27



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FIG. 28

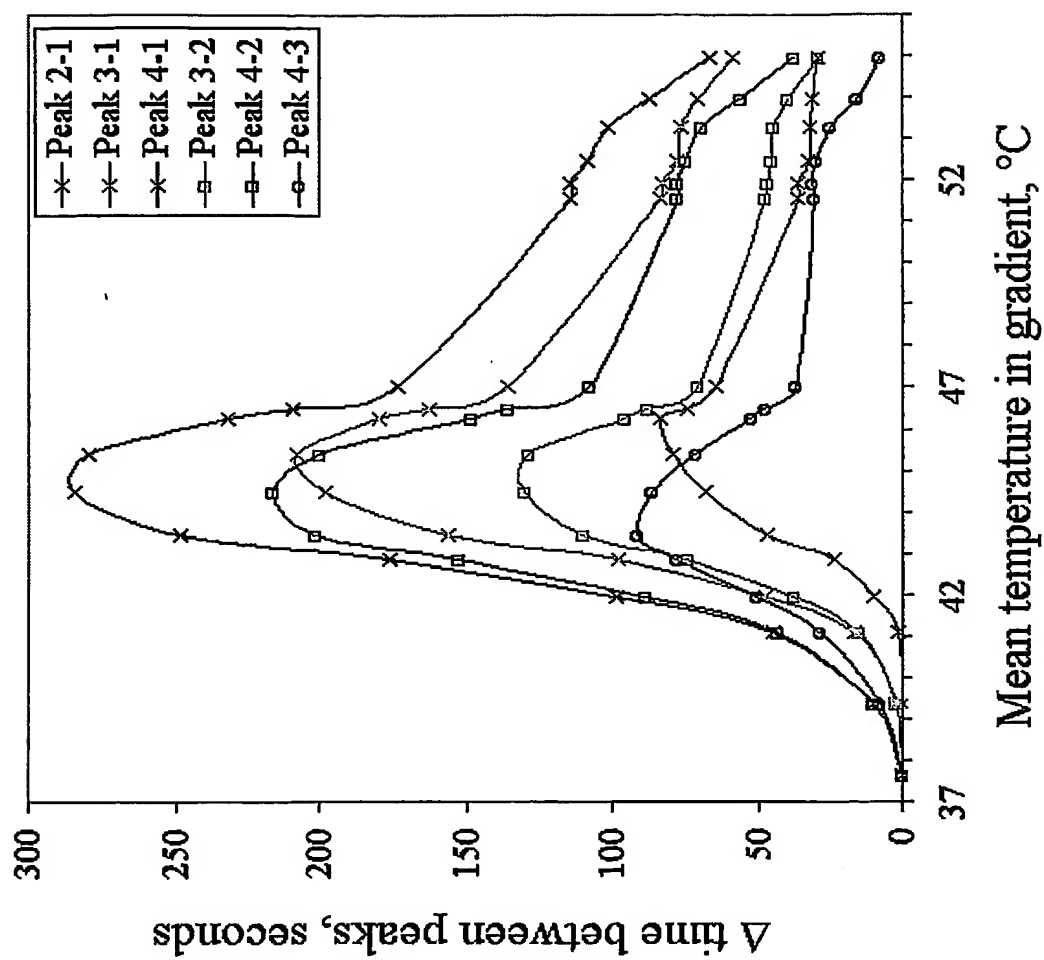
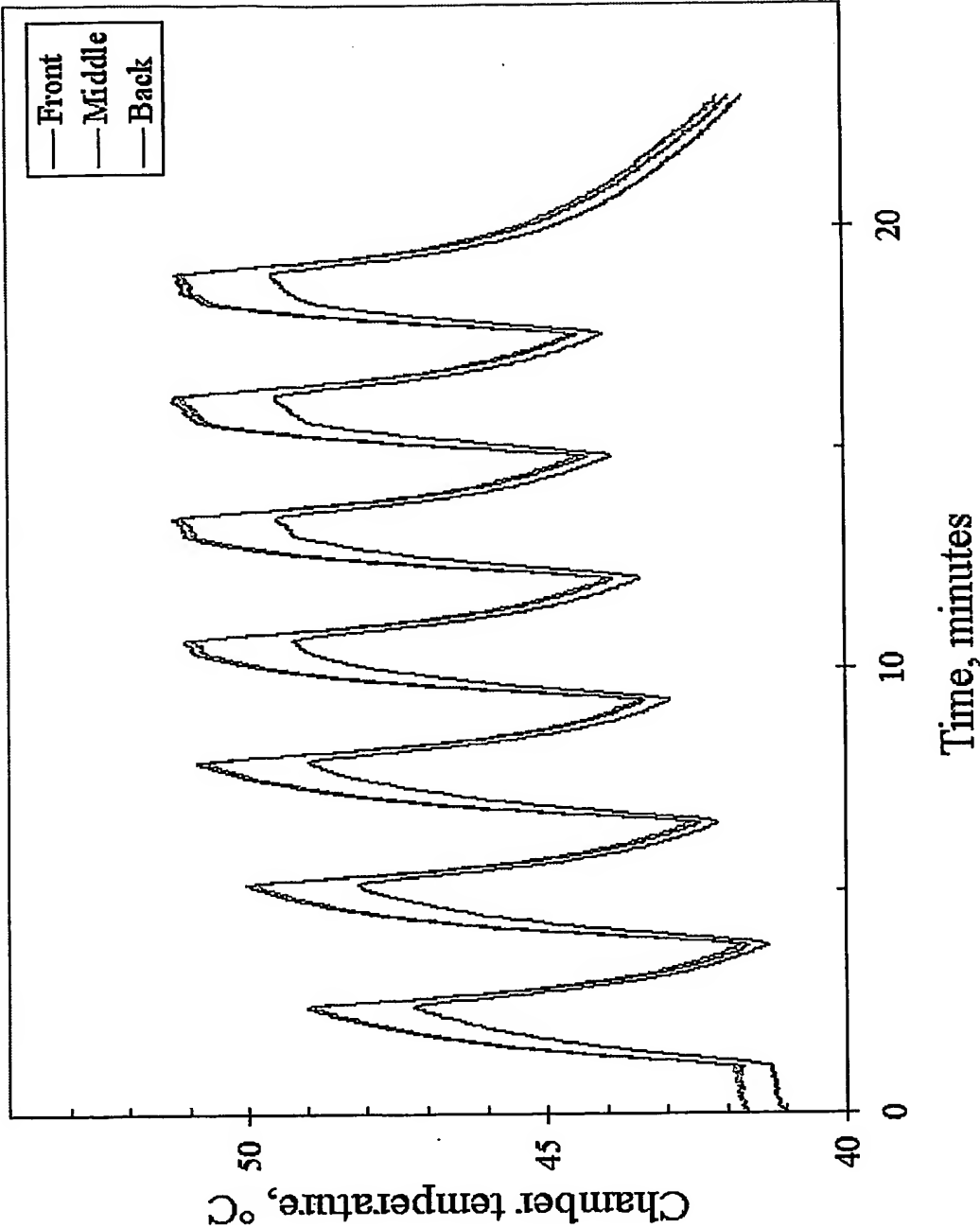


FIG. 29



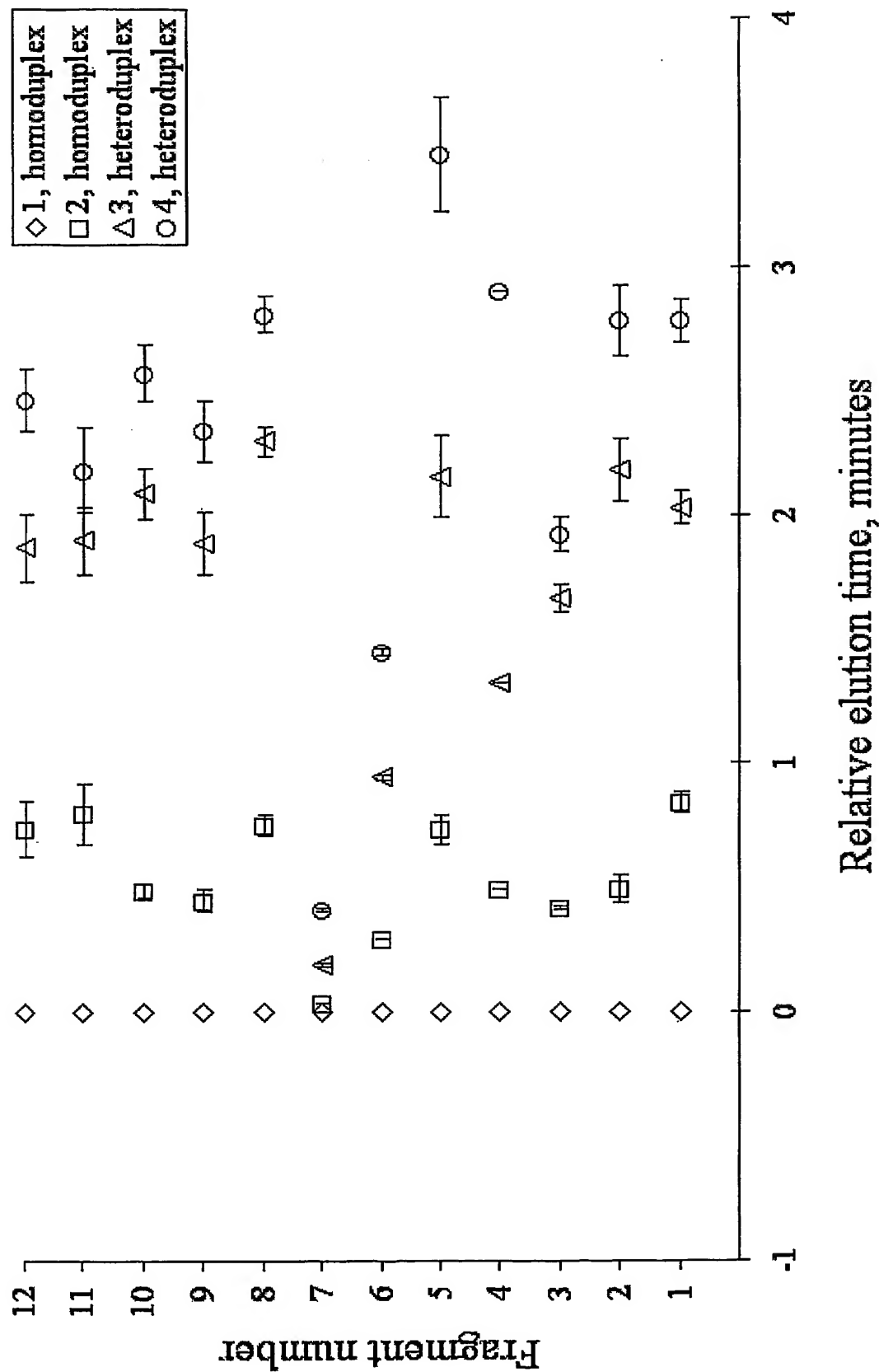


FIG. 30

FIG. 31

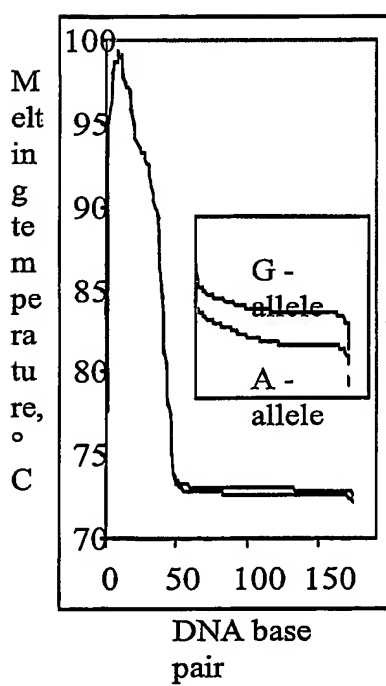
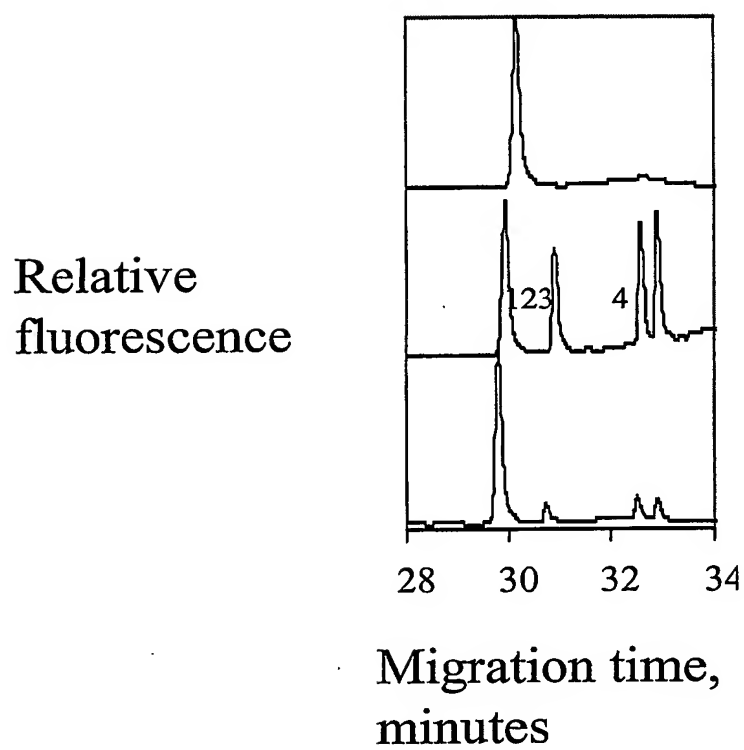


FIG. 32



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FIG. 33

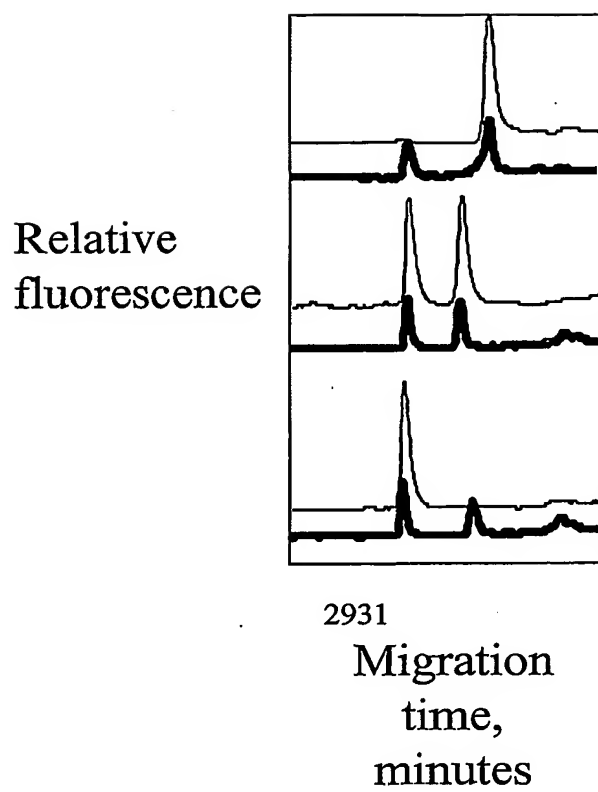


FIG. 34

Alleles
1 ----G-----C-----
Watson
----C-----G-----
Crick
2 ----C-----C-----
Watson
----G-----G-----
Crick
3 ----G-----T-----
Watson
----C-----A-----
Crick
4 ----C-----T-----
Watson
----G-----A-----
Crick

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FIG. 35

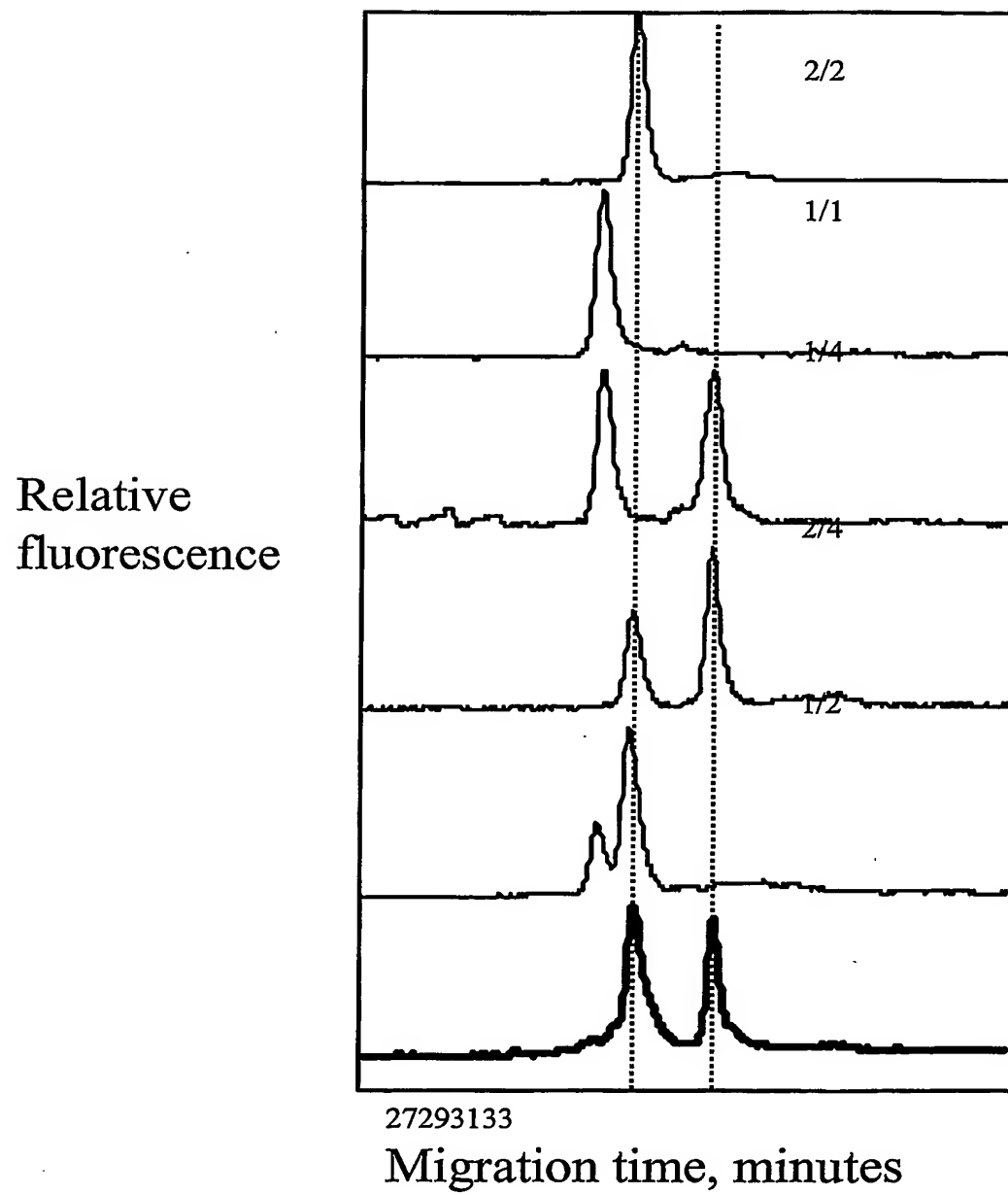
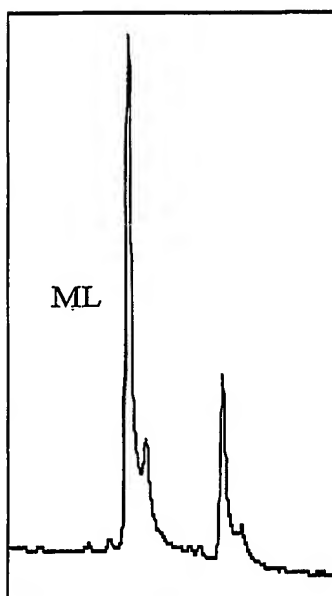


FIG. 36

Relative
fluorescence



2223
Migration time,
minutes

FIG. 37

Relative
fluorescence



27293133

Migration time,
minutes